HALOGEN SCAVENGER FOR POLYMERS AND COPOLYMERS

Abstract of the Disclosure

A halogen scavenging system is provided for inhibiting the corrosion-causing tendency and coloration of halogen-containing olefin polymers or copolymers, comprising incorporating about 0.01% to about 1% of a hydroltalcite-like solid solution having the formula $Al_2(Mg)_a(OH)_b(CO_3)_c(G)_d \cdot eH_2O$ and a crystallite size in the <003> direction of about 190 Å to about 225 Å, and having bidentate coordination for carbonate ion as shown by an infrared spectrum, and wherein $3 \leq a \leq 5.5$; $8 \leq b \leq 14$; $1.2 \leq c \leq 3$; $0 \leq d \leq 1$; $1 \leq e \leq 10$ and G is a surface active agent into the halogen containing olefin polymer.